

**POWDER-CONTAINING PHOTOCURABLE FLOWABLE RESIN COMPOSITION****Publication number:** JP9241311**Publication date:** 1997-09-16**Inventor:** TAJIMA NOBUYOSHI; YOKOHAMA MASAKI**Applicant:** OLYMPUS OPTICAL CO**Classification:**

- **International:** *B32B37/00; B29C67/00; C08F2/44; C08F2/48;  
B32B37/00; B29C67/00; C08F2/44; C08F2/46;* (IPC1-  
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- **European:** C08F2/48

**Application number:** JP19960056202 19960313**Priority number(s):** JP19960056202 19960313[Report a data error here](#)**Abstract of JP9241311**

**PROBLEM TO BE SOLVED:** To provide a powder-contg. photocurable flowable resin compsn. which enables the content by vol. of a powder in the compsn. to be reduced to maintain photocurability and enables the content by vol. of a powder in a powder-contg. resin molding in sintering to be kept high.

**SOLUTION:** This compsn. contains an org. monomer having one free-radical-polymerizable group, an org. cross-linker having at least two free-radical-polymerizable groups, a photopolyrn. initiator, a solvent which is inert under irradiation with light and is removable by drying after photocuring, and a powder which can be converted into a three-dimensional structure by sintering in such amts. that the vol. ratio (Vx) of the powder to the compsn. is 0.27-0.4, that the vol. ratio (Vy) of the solvent to all the other ingredients except the powder is 0.55-0.775, and that the vol. ratio (Vz) of the powder to all the other ingredients except the solvent is 0.6 or higher.

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